

IN THE CLAIMS:

1. (Currently Amended) A user interface device for electronic apparatus, the device comprising a keypad having a plurality of keys each arranged to actuate a respective switch so as to provide a first type of user input for entering alphanumeric data and an integrally disposed impedance sensor so as to provide a second type of user input for operating the keypad as a touch sensitive pointing device.
2. (Original) A device according to claim 1, wherein the keypad includes a region provided with said impedance sensor but without a key.
3. (Currently Amended) A device according to claim 1, wherein said keys are comprised in a keymat impedance sensor senses a co-ordinate of a user's finger.
4. (Original) A device according to claim 3, wherein the impedance sensor is disposed adjacently to the keymat.
5. (Currently Amended) A device according to claim 3, A user interface device for electronic apparatus, the device comprising a keypad having a plurality of keys each arranged to actuate a respective switch so as to provide a first type of user input and an integrally disposed impedance sensor so as to provide a second type of user input wherein said keys comprise a keymat and wherein the keymat and the impedance sensor are coextensive.
6. (Original) A device according to claim 1, wherein the keys comprise silicone rubber.
7. (Original) A device according to claim 1, wherein the keys include a hard coat.
8. (Original) A device according to claim 1, wherein the impedance sensor is arranged to detect the presence of a digit.

9. (Original) A device according to claim 1, wherein the impedance sensor comprises first and second sensing plates.

10. (Original) A device according to claim 9, wherein the first sensing plate comprises a first set of electrodes.

11. (Original) A device according to claim 10, wherein the electrodes are arranged in noncontiguous stripes.

12. (Currently Amended) A device according to claim 10 user interface device for electronic apparatus, the device comprising a keypad having a plurality of keys each arranged to actuate a respective switch so as to provide a first type of user input and integrally disposed impedance sensor so as to provide a second type of user input, wherein the first sensing plate comprises a first set of electrodes, and wherein the electrodes are transparent.

13. (Original) A device according to claim 10, wherein the electrodes are made from indium-tin-oxide.

14. (Original) A device according to claim 9, wherein the first sensing plate comprises a substrate.

15. (Currently Amended) A device according to claim 14 user interface device for electronic apparatus, the device comprising a keypad having a plurality of keys each arranged to actuate a respective switch so as to provide a first type of user input and integrally disposed impedance sensor so as to provide a second type of user input, wherein the impedance sensor comprises first and second sensing plates, wherein the first sensing plate comprises a substrate, and wherein the substrate is substantially transparent.

16. (Currently Amended) A device according to claim 14, user interface device for electronic apparatus, the device comprising a keypad having a plurality of keys each arranged to actuate a respective switch so as to provide a first type of user input and

integrally disposed impedance sensor so as to provide a second type of user input,
wherein the impedance sensor comprises first and second sensing plates, wherein the
first sensing plate comprises a substrate, and wherein the substrate is made from
polyethylene terephthalate.

17. (Original) A device according to claim 10, wherein the second sensing plate comprises a second set of electrodes.

18. (Original) A device according to claim 17, wherein the first and second set of electrodes are spaced apart.

19. (Original) A device according to claim 18, wherein a first member of the first set of electrodes and a first member of the second set of electrodes are arranged to have a mutual capacitance.

20. (Original) A device according to claim 19, wherein said members are arranged so to allow the mutual capacitance to change when a digit touches the keypad.

21. (Original) A device according to claim 1, wherein the impedance sensor is a capacitive sensor.

22. (Currently Amended) A device according to claim 1, user interface device for electronic apparatus, the device comprising a keypad having a plurality of keys each arranged to actuate a respective switch so as to provide a first type of user input and integrally disposed impedance sensor so as to provide a second type of user input, further comprising a light source to illuminate the keypad.

23. (Original) A device according to claim 22, wherein the light source is disposed behind the keys.

24. (Original) A device according to claim 22, wherein the light source is planar.

25. (Original) A device according to claim 22, wherein the light source is an

electroluminescent layer.

26. (Original) A device according to claim 1 wherein the first type of user input is input of alphanumeric data.

27. (Original) A device according to claim 1 wherein the second type of user input is control of a focus on a display of the electronic apparatus.

28. (Original) Electronic apparatus incorporating a device according to claim 1.

29. (Original) Electronic apparatus according to claim 28, which is portable.

30. (Original) A mobile telephone handset incorporating a device according to claim 1.

31. (Original) An electronic communicator handset incorporating a device according to claim 1.

32. (Original) A portable computer incorporating a device according to claim 1.

33. (Currently Amended) A method of fabricating a user interface device for electronic apparatus comprising providing a keypad having a plurality of keys each arranged to actuate a respective switch so as to provide a first type of user input for entering alphanumeric data and integrally disposing impedance an impedance sensor so as to provide a second type of user input for operating the keypad as a touch sensitive pointing device.

34. (New) The method of claim 33, wherein said impedance sensor is for sensing a co-ordinate of a user's finger.

35. (New) The device of claim 1, wherein said second type of user input comprises a user sliding a finger over a surface of said keypad for use as a touchpad.